

STIC Search Report Biotech-Chem Library

STIC Database Tracking Number:

TO: Terra Gibbs

Location: CM1/12A12/11E12

Art Unit: 1635

Tuesday, June 24, 2003

Case Serial Number: 998667

From: Mary Jane Ruhl

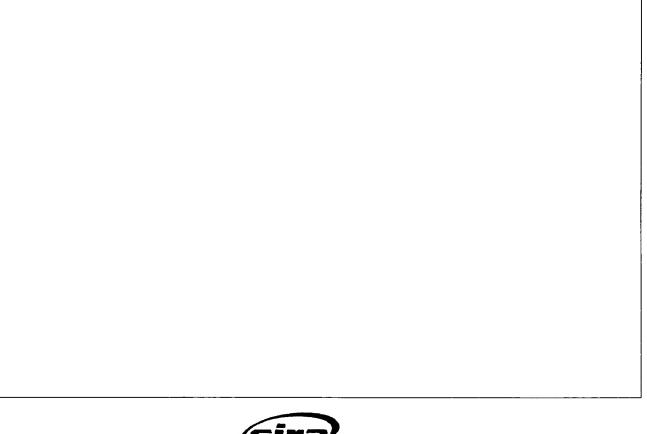
Location: Biotech-Chem Library

CM1-6A06

Phone: 605-1155

maryjane.ruhl@uspto.gov

Search Notes





From:

Gibbs, Terra

Sent:

Wednesday, June 18, 2003 12:46 PM

To: Subject: STIC-Biotech/ChemLib Sequence search request...

Could you please do a regular search of SEQ ID NO: 2 of USSN 09/998667?

Thank You!

Terra Gibbs AU 1635 306-3221

Mailbox: 11E12

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Tech. Info. Specialist, STIC TC-1600 CM-1, Room 6A-06

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Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Web site http://www.hgsc.bcm.tmc.edu/cdna/
CCMT4 1 vill41-0,12-0 tmc = Ny
Vill41-0, D K Luna, M. Hale, S.M., Hulyk, S., Lu, X., Garcia,
A.M., Holloway, M., T-fford, B, Hudgson, A. Bouck, J. Yu, W.,
Muzny, D.M., Gibbs, R.A.
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Tissue Produrement: AFCC
cDNA Library Preparation Life Technologies, Inc
cDNA Library Arrayed by: The L.M.A.G.E. Consortium (LLNL)
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Submitted (3° UM) 2001: National Institutes of Health, Mammalian
Gene Collection (MGC), Camer Genomics Office, National Cancer
Institute, 31 Center Drive, Room HAO3, Rethesda, MD 20892-2590,
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Mammalia; Eutheria; Primates; Catarrhini, Hominidae; Homo
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Isolation of full-length cDNA clones from macaque brain cDNA
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Submitted (27 APP-2001) Katsuyuki Hashimoro, National Institute of Submitted (27 APP-2001) Contains the Personal Institute of Infectious Diseases, Division of Genetic Resources, 22 1, Toyama 1-chome, Shinjuku-ku, Tokyo 162-8640, Japan (E-mail khashiknih go jr. CPL http://www.cil.gl.jp/y-kun/g-n-tan/Tel.81-3-5285 1111(ex.2120), Fax:81 2 5285 1181)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Custom primer used for sequencing (5' end primer [CINCIGCTCTAAAAGCTGCG]; and primer [CIAACTGCAGCACACA]).
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CDTLVCLJEMPAH!FT"";WY!LKYGFLGELJELJELAAFCV"PFFGPFLJEDGLLDHCITH
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C., Jones, C., Fann, L., Hagos, B., Heaford, A., Horton, L., Howland, J. C., Jones, C., Fann, L., Karatas, A., Lekozky, J., Lieu, C., Liecke, K., McClaudhith, J., McMardis, N., McDaudhith, J., McMardis, N., McDaudh, R., McKerns, K., McLaudhith, J., Medarin, J., McDaudh, C., Connor, T., Colonnell, P., Pavish, P., Naylor, J., Miloff, M., O'Connor, T., Colonnell, P., Pavish,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1447
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IFF318 pp IMA LIDEAL FOTT 24 MAR LICEAL FOTT 24 MAR LICEAL FOR SEGURING LICEAL BOOKSOME 18 CLONE RP11-5316 map 18, WEREING DRAFT SEGURINGE, 16 unordered pieces.
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Homo, sapiens chromosome 18, clone RP11-5316
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                                     Consensus quality: 1516v2 bases at least Q40 Consensus quality: 157600 bases at least Q30 Consensus quality: 159000 bases at least Q20 Insert size: 192007 agarose-fp Insert size: 192007 agarose-fp Insert size: 164718; sum-of-conticts Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases; agarose-fp Quality coverage: 4.7 in Q20 bases at least Q20 Consensus quality of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 Consensus quality parts of the Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 bases at least Q20 ba
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124545: contig of 17738 bp in length
124546 124645. gap of 100 bp
124646 166218: contig of 41573 bp in length
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1792: gap 3f 190 bp
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47433: contig of 9261 bp in length
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                                                                                                                                                                                                                                                                                     Schmitted (ns. WF-2002) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 32141, USA 4 (bases 1 to 176222)
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Horton, L., Hulme, W., Illev. I., Jihnsun, F., Tunci, T., Frant, A., Karatas, A., Kells, C., Landels, T., Levine, R., Lindblad Coo, K., Klid, G., Malbean, C., Malbrail, F., Major, J., Matthews, C., Malbrail, F., Major, J., Matthews, C., McCarthy, M., Meldrim, J., Meneus, L., Mihova, T., M., enga, V., McCarthy, M., Meldrim, J., Meneus, L., Mihova, T., M., enga, V., Murphy, T., Maylor, J., Meneus, L., Mihova, T., M., enga, V., Norman, C.H., O'Connor, T., O'Donnell, P., O'Neil, D., Invery, J., Perwissin, K., Phinkhang, P., Fierre, K., Raymond, C., Retta, E., Rise, T., Konjov, P., Phinkhang, P., Fierre, K., Raymond, C., Retta, E., Rise, T., Konjov, P., Poman, J., Poy, A., Schauer, S., Schupback, P., Scaman, S., Yovey, P., Smith, C., Spencer, B., Stange Thoman, N., Stylands, J., Talamas, J., Teefave, S., Theodore, J., Topham, K., Travers, M., Vassiliv, H., Viel, P., Vo, A., Wilson, B., Why. M., Wyman, C., Young, G., Zitti, L., Driver, S., Marker, A., and Zody, M.
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Smit, A.F.A. & Green, P. (1996-1997)
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/rpt_family="Alusg"
complement("052, .7105)
/note "single clone coverage"
complement(7148, .7327)
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DEFINITION

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ACG36167 Septens chromosome 18 clone RP11 582123 map 18, WCPKING DPAFT SEQUENCE, 43 unordered preces.

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Research, 2010 Charles Etreet, Cambridge, MA 02141, USA
Child 24, 2000 this sequence version replaced gi:7503825.
All repeats were identified using RepeatMasker.
Smit, A.F.A. & Green, P. (1996-1997)
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1884 1983: gpp 35 100 bp
1984 3164 contig of 1181 bp in length
3165 3264, gip of 100 bp
3265 4418: contig of 1164 bp in length
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                                                                                                                                                        1GAGGAAGCTCTTATCCGAAGAGTCTTAGACCGGTCACTTCTTGAATATGTGAATCACTC 1183
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                        PSAGSAAGST TTATO SAASAGTOTTAGACOGGTCACTTCTTGAATATGTGAATCACTC 2977
                                                                                 5AA 1A11 RAATAATTITATTAAAAASSAAAASSAAAASAAACTAATTAATTGCACCATTTAA 11143
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145666 145765, gap of 100 bp

145766 157773: contig of 12008 bp in length

157774 157873: gap of 100 bp

157874 168359: contig of 10486 bp in length

168360 168459: gap of 100 bp

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AC009831.21 HTG. Homo sapiens chromosome , clone RP11-326K13, complete human AC009831 AC009831 GI:22038645 179409 bp DNA linear PRI 01-AUG-2002

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Вb 9 5

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 179409)

Pirien, B., Misbaum, C., and Lander, B. Unpublished Homo sapiens chromosome, clone

RP11-326K13

Birreh, B., Linton, L., Musbaum, C., Lander, E., Allen, M., Anderson Baker, J., Baldwin, J., Barna, N., Beckerly, R., Benn, J., Brown, A., Castle, A., Cerny, T., Colang-lo, M., Collins, S., Collymore, A., Cooke, P., Dearellano, K., Depayre, E., Devon, K., Dewar, K., Doncelan, L., Doyle, M., Ferreira, P., FitzHugh, W., Forrest, C., (bases 1 to 179409) Anderson, M

REFERENCE

TITLE JOURNAL

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Finke, R. Gage, D. Galagan, J. Gardyna, S. Gilbert, D. Grant, G. Hayos, B. Haford, A. Lehoczby, J. Lieu, C. Locke, F. Macdonald, P. Faras, A. Lehoczby, J. Lieu, C. Locke, F. Macdonald, P. Walley, M. McCarnald, M.
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                                                                                                                                                                                                   1652 TCTAATAGGTTAACGTTAATAATCTTGTATGGGAGTTGGAAAGGAAAATTTTGGAAGTCA 1711
                                                                                                                                                                                                                                                                                                                                 1592 GAAACAAAGTGCAGACATTCAAAGAAAATAAGAAATCTGCTCCAATGCTCTTGTTCTAATC 1651
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This sequence was finished as follows unless otherwise noted. all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e. phired quality and attempt was made to resolve all sequencing problems, such as compressions and repeats, all regions were covered by at least one plasmid subclone or more than one Mil subclone, and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       http://www.sanger.ad.uk/Frojects/C_elegans/wormpep This sequence was generated from part of bacterial clone contigs of human chromesome 1, which the target deprive Chromesome 1 when the transfer across the larget deprive Chromesome 1 Mapping Group. Further information can be found at http://www.sanger.ac.uk/HGP/Chri ppl-13P20 is from the library PPGI-1 constructed by the group of preter de Jard. For further details see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      absembly was confirmed by restriction digest The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em., EMBL, Sw., SWISSPROT: Tr., TREMBL, Mp., WORMPED: Information on the WORMPED database can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          requests clonerequest*sanger as uk
On Oct 25, 2001 this sequence version replaced gi:15858887.
During sequence assembly data is compared from overlapping clones
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RP1-13P20 It may be shorter because we sequence overlapping sections only once, except for a short overlap.

The true right end of clone RP1-13P20 is at 116667 in this sequence. The true left end of clone RP1-20N18 is at 106583 in this
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/nore="Sequence from overlapping clone RP1-20N18"
(AL356867). Assembly confirmed by restriction digest."
1 23814 c 23805 g 33832 t
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/clone="RP1-13P20"
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humquery@sanger ac.uk Clone requests: ol-mereguest@sanger ac.uk
on Eeb 13, 2002 this geguence version replaced g: 16304699
PPI 20N18 It may be shorter because we sequence everlapping sections only once, except for a short overlap.

The true right end of clone RPI-20N18 is at 147803 in this sequence. The true left end of clone RPI-59H12 is at 107462 in this sequence. The true left end of clone RPI-59H12 is at 107462 in this sequence.
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VBFTOR: pCYPAC2
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Hattori,M., Ishi,K., Toyoda,A., Taylor,T.D., Hong-Seog,F., Eujiyama,A., Yada,T., Totoki,Y. and Sakaki,Y.
Direct Submission
Otherit (12 MAY-1990) Muschire Hattori, The Institute of Physical and Oberital Persarch (PIMEN), Genomic Sciences Center (550);
Kitasato Univ., 1-15 | Kitasato, Sagamihara, Kanagawa 228-8555, Japan (E-mail:hattoriagsgiriken goljp,
                                                                                                         Harrori, M. Ishii, K. Toyoda, A. Taylor, T.D. Hong-Seog, P. Fullyama, A., Yadd, T., Totoki, Y. and Sakaki, Y. Homer Tarines 64,7401 Jenomic 5MA of 21402; Published Only in DataBase (1999).
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Mammalia: Eurheria, Primates: Canarrhini, Hominidae: Homo
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Direct Submission
Sabmitted (11-MAY 1938) Massituta Battitt, Fitagrato Thirmity,
Department of Submission (ET Sequentin) Labitating, Estimate 1 15-1
Segamihara 228, Japan (E mail battoning.time in tokyoutin),
Tel:0427-78-95732 Fax:0422-78-9561)
This Sequence is including to Pitagratory and use of the control of the mail battoratory as a UST sequencing team.
Frincipal investigator Yoshiyuki Sakaki Ph.D.
Phone: +813-5449-5622, Fax: +813-5449-5445.
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Hattori, V., Ishii, F., Toyoda, A., Shiba, T. and Sakaki, V. Homo sapiens genomic PNA, chromosome 21q
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Sub leader Talayash: Shika Pb D , Masahira Wathori Pb.D. The
sequence is submitted by:Human Genome Sequencing in ADIS project of
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                                                   Direct Submission Cubmitted (10 MAY 1999) Masshira Hattori
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae,
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Submitted (10 MAY 1999) Masshira Hattori, The Institute of Physical and Chemical Research (RIKEN), Genomic Sciences Center (GSC);
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For further information about this sequence, including its
location and relationship to other sequences, please visit our
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sequence archive Web site (http://www.alis.toky: js: 30 jp/H33/)
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**Pak*: thgm :ms '1-5-kyn ac jp
sub-leader: Tadayoshi Shika Ph D , Masahira Hattori Ph.D.
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28 Hattori,M., Fujlyama,A., Taylor,T.D., Watanabe,H., Yada,T., Faith,F., Tible,W., Thomas, F., Yada,T., Faith,F., Tible,W., Thomas, F., Yada, F., Paik,H. S., Tible,A., Takin,F., Tible, Y., Taudaen,S., Piechschmidt, F., Polley,A., Menzel,U., Delabar,J., Kumpf,K., Lehmann,R., Royenthal,A., Kudach,J., Sthiudaen,K., Yawasay,K., Fawasay,K., Kasakawa,S., Shindani,A., Sasaki,T., Nagamine,F., Mitsuyama,S., Astumarakis,S.E., M.noshina,D., Shindau,H., Wodsiek,G., Fartumarakis,S.E., M.noshina,D., Sharife,M., Bookan,O., Desarto,A., Rainer,G., Riboeker,H., Ramsey,H., Renk,A., Klaner,G., Fisher, M., Kasakayan,S., Sardiner,K., Basandt,D., Scharfe,M., Scharfe,M., Royen,G., Fisher, K., Sardiner,K., Basakis,E., Webinaryet,G., Fisher, K., Sardiner,K., Hizesico, Francis,F., Lehiach,H., Reinbart,F., Atti
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* e.mail: hattoriwgsc.riken.go.jp

* upt. http://bjg.jsc.riken.go.jp
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    Mascheroder Weg 1, D-38124 Braunschweig, Germany, • 6-5-311,
    infogenomeagbf.de

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                                                                                   /orgonism "Homo sapiens"
/db_xref≂"⊧axon-9606"
                                                                                                                                  /nore="Accession No AP000254"
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 217974 OGAASTATGATTAAATATGATTTGGGTTGAAAAGGGTGCATTTAGGCCGGGGATGGC 217915
                                                                   217801 AGTTAGCTGGGCATGGTWEENEWBOOGCATGTAARWYYDAGTATTTYFGAGAGTGAGGGGGGG 217742
                                                                                       1682 GGGAGTTGGAAAGGAAAATTTTGGAAAGTCAAGAAAGTCCATTTAGGCCGGGACGCGGTGCC 1741
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1397_..2428
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complement(ssn4 5788)
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CHLC ATA42C09"
5468. .5502
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s410 5528
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/rpt_type=DISPERSED
4860. .4907
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/rpt_type=TANDEM
2925. .3267
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3293 3322
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2535. .2827
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/rpt_family="Simple_repeat"
/rpt_type=TANDEM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /rpt_family="SINE/Alu"
/rpt_type=DISPERSED
1828. .2904
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11.2% Score 227 4; DB 9; Length 168567,
Best Local Similarity 86.1%; Pred. No. 5.9e-43;
Matches 266; Conservative 0; Mismatches 36; Indels 7;
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E. Ubases I to 168567)

E. Ubases I to 168567)

E. Hitteri, M. Ishii, K. Toyoda, A. Taylor, T.D., Hong-Seog, P., Fujiyama, A., Yada, T., Totoki, Y., Watanabe, H. and Sakaki, Y. Direct Submission

M. Submitted (16-MAR-2001) Masahira Hattori, The Institute of Physical and Chemical Research (RIKEN), Genomic Sciences Center (GSC); and Chemical Research (RIKEN), Genomic Sciences Center (GSC); Tolonited (16-Mar-1918); The hatty (75-hams), Yanayan 300-9045, Uagan (E.mail:hattoriyas riken 30; Ph. http://bgr.gs.riken.go.jp/, Tolonitakion/Qualifiers

M. Aud (10-202) this Sequence version replaced gi:13383332. Location/Qualifiers
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Home eagress genomic DNA, chromosome 11 clone:CTC-1337H24, complete
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/clone="CTC-1337H24"
/7 5' % 46053 C 46222 g 38937 t
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/db_xref="taxon:9606"
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Listing first 45 summaries
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AAI60970 standard; cDNA; 588

13 - CT-1001 (first entry)

Human polynucleotide SEQ ID NO 4959

Human; modifypic; immundsuppiessant, cythstatic, gene therapy, cance peripheral nervous system, reuropathy, contral nervous system; CNC; Alcheimer's; Parkinson's disease; Hostington's disease; haemostatic; amyotrophic lateral sclerosis; SNy-Drager Syndrome, chemotactic; chemokinetic; thrambolytic; drug screening; arthritis; inflammation; leukaemia; ss

Homo sapiens.

WO200153312-A1

21 JAN-2000 26 AFE 5000 09-JUI-2000 10 JUIL-2000 10 AUG-2000 14 REF-2000 19 OCT-2000 27 HOV 2000 26 DEC-2000; 2000US 0488725.
2000US 0552317.
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cardiovascular disorders (arrhythmias), wound healing and myntholial cell proliferation, enderstee disorders ldiabeter religion and neurological disorders (ischaemic lesions) immune-pystem related primits or ENA is useful for presenting than loss, other agains due to seafure. The presenting than loss, other agains due to seafure. The results manufain organs before transplantation, to treat weight distribus, to reduce manufain characteristics, to charge a manufain seafure. The physical state, or as a find addition to preservative, immune system related DNA is useful in guest being, if the state which is the result of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Movel isolated immune system related pulypoptide useful for treating rheumatoid arthritis, AIDS, allergy, cancer, Gaucher's disease, diaberes "Viltus, aithythmia, would healing, isohemin lesions and viral hepatitis".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 300; 315pp; English.
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31.MAP-1999;
02 APP 1999;
05.APR-1999;
                                                                                                                                                  nucleic acids can be used to express OPFX proteins in gene therapy vectors. The proteins and nucleic acids may be used to treat cancers, proliferative disorders, neurodepenerative disorders, neteoarthritis, graft ws bost disease, cardiovascular disease, diabetes mellinus, hypertension, hyperbyroidism, reclessed estat sociales, systemation
                                                                                                                                                                                                                                                                immunistimulant; cardiant; thromboly/ii; coagulant, vashtrepic; antidiabetic; hypotensive; dermatological; immunosuppressive; antiliaratory; antibacterial; antivital; antifungal; antitheomatic; antithyroid; and antianaemic. The sequences can be used for determining the presence of or predisposition to, or preventing or treating pathological conditions associated with an ORFX-associated disorder. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel nucleic acids and peptides derived from open reading frame useful for treating e.g. dancers, proliferative disorders, neurodegenerative disorders and cardiovascular disease -
                                     allergies, aplastic anaemia, burns, wounds, bone and cartilage damage, nocturnal haemoglobinuria, antiinflammatory disease, to enhance coagulation, to inhibit thrombosis, and as a contraceptive.
                                                                                                     hypertension, hyperhyroidism, chulesteroi ester statage, systemic luperythematosus, severe combined immunodeficiency (SCID), AIDS, viral, bacterial or fungal infection, malaria, auroimmune disorders, asthma, bacterial or fungal infection, malaria, auroimmune disorders, asthma,
                                                                                                                                                                                                                                                                                                                                                                                                  antipsoriatic; antiparkinsonian; nootropic; neuroprotective; osteopathic; anticonvulsant; antiarthritic; immunosuppressant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 which represent the human OPFX open reading frames 1 to 3161. The OFFX sequences have activities such as: cytostatic; hepatotropic; vulnerary;
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Sequence 468 BP; 129 A, 101 C, 111 G; 126 T; 1 other;

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Homb sapiens

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03-0CT-2000, 2000US-237608P.
01-NOV-2000, 2000US-244867P.
61 NOV-2000, 2000US-245084P.
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Note The sequence data for this patent did not form part of the printed specification, but was obtained in elections format directly from WIPO at fit wipo int/pub/published_pot_sequences
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Barash SC, Ruben SM;

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Runlaid acids encoding horal immune/horatop into antigen polypeptides, useful for preventing, diagnosing and/or treating cancers and

Elsolosure; SEQ ID NC 39360, 3071pp + Sequence Listing; Englich

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03-OCT-2000; 2000US-237608P
01-NOV-2000; 2000US-244867P
91-NOV-2090; 2009US-245084P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Segmence 55608 RP; 15987 A; 16979 C; 16761 G; 16918 T; 3 other;
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                                <u>CTĞBĞÂĞĞCĞĞÂĞSTTGĞAĞİĞAĞÖCANĞATCGIĞCLACIGIACICCAGCCIGGGGIAGICAGI</u>
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DMA.

15-MAY-2002

(first entry)

cancer

related gene sequence SEQ ID NO:2751

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Human, cancer, colon, breast, byary, besophagus, kidney, thyroid, stomach; lung; prostate; pancreas; carcinoma; antitumour; cancerous; cytostatic; gene therapy; antineoplastic; Wilm's tumour; adenocarcinoma,
                      Screening for anti-neoplastic agent involves exposing cells to a chemical agent to be tested for anti-neoplastic activity, and
                determining a change in expression of a gene of a signature gene set
                                         WPI; 2002-188264/24.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 65608 BP,
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                    GAGCTAGACTCCATCTCAAAAAAAAAAAAAAAAAAA 2931
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                                                                             CTGGGAGGCGAAGGTTGCAGTGAGGCGAAGATCGTGCCACTGTACTCCAGCCTGGGGGGACA 43500
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Human; cancer; colon; breast; ovary; oesophagus; kidney; thyroid; stomach; lung; prostate; pancreas; carcinoma; antitumour; cancerous; cytostatic; gene therapy; antineoplastic; Wilm's tumour; adenocarcinoma;
C5-JUN-2000; 2000US-209473P
                                                      13-DEC-2001
                                                                                                           Homo sapiens
                                                                                                                                                                                                        Cesophagus cancer related gene sequence SEQ ID MO.6005.
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                         30 MAY-2001; 2001WO-US10838
                                                                                 WO200194629-A2
                                                                                                                                                                                                                                   15-MAY-2002 (first entry)
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Claim 1/

SEŲ ID 2751;

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recomprises a sequence (S) selected from 8447 sequences (given in ABL6164) to ABL701100 or is at least 95% identical to (S), where a change in expression is indicative of anti-neeplastic activity. (I) has cytostatic activity and can be used in gene therapy. MI can be used for screening an anti-neeplastic agent, and can be used for producing a product which it the data collected with respect to the anti-neeplastic agent as a result of MI, and the data is sufficient to convey the chemical structure and/or properties of the agent. MI can be used in the treatment of cancer such as colon, breast, stomach, lung, thyroid, obscribatein, cancer, allowed, prostate of pancreutic cancer, addressed, cancer, allowed, prostate or pancreutic cancer, infiltrating lobulity cancer contents of pancreutic data and wilm's tumour or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a method (M1) for screening for an anti-neoplastic agent The method involves exposing colls to a chemical agent to be tested for anti-neoplastic activity, determining a change in expression of an least one game (I) of a signature game set, where (I)
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Best Local Sim
Matches 271,
The present sequence is one of a large number of 5° ESTS derived from mPMAs encoding secreted proteins. Wi OPP has yet been sixultarly identified within the present sequence. The 5° ESTS were prepared from rotal human EMAs or polyake EMA, derived from the different fitte of 5% established from sequences, security for the mRMA because they are often obtained from oligo-dT promedicity in the difference. Such RSTs are not well suited for isolating opposition of the mRMA because they are often obtained from oligo-dT promedicity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New nucleic acid that is a 5' expressed sequence :ag (5' EST and for obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and for
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                                                                                                                                                                Primer sets for synthesizing polynucleotides, particularly the 5602 full-length cDNAs defined in the specification, and for the detection and/or diagnosis of the about maility of the posterins encoded by the
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                        The present invention describes former sets for synthesising 5602
                                                                                 claim 8; cmc in ident, charp. .
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Similarity 98.2%;
                                                                                                                                                                                                                                                                                                                                                                        Isogai T,
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Sugiyama T, Wakamatsu
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Pred. No. 1.4
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                                                                                    Englich
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C. Otsuki
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2163 AGCGAGACTCCATCTCAANNNAAAAAAAAAAAAA 2197
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Human, reproductive system related antigen;
                                                                              Human reproductive system related antigen DNA SEQ ID NO: 10010.
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                                                                                             21-NOV-2001
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full-length cDNAs defined in the specification

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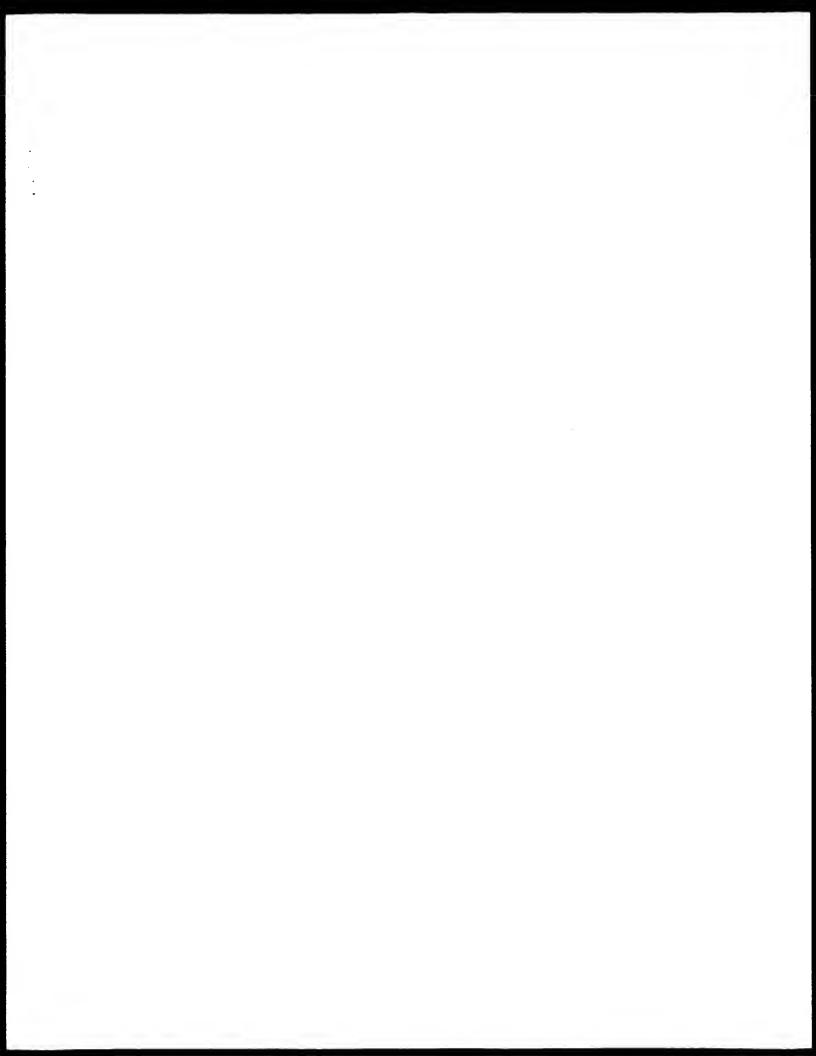
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the nucleic acids into a host cell and culturing the cell to express the profain. The proteins and polynucleotides may be used to prevent, diagnose and rear immune/harmatopoletic-related diseases, especially cancers and cancer merastases of harmatopoletic derived cells. AAK64703
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Us sas 447 33
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SECTENCE CHARACTERISTICS:
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TYPE. nullei: alli
STPANDENNESS, sinc?
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APPLICANT: Seilhamer, Jeffrey J.
TITLE OF INVENTION: Marmalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION. Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION. Sequences Having Internal Ribosome Binding Sites
NUMBER OF SEQUENCES. 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 33301
COMPUTER READABLE FORM
MEDIUM TYPE: Floppy
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PEGISTEATION NUMBER 32.064
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77.2%, Pi--3 M- 6.0±.45,
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                                                                                                                                                                                                                Matches 285; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 205-764-4996
INFORMATION FOR SEQ ID NO
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Manso, Peter J.
REGISTRATION: HUMBER 32,264
PEREPENCE/DOCKET NUMPER: IN?
TELECOMMUNICATION INFORMATION:
TELEPHONE: 305-527-2498
TELEFAX: ?05-764-4006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IRM PC compatible
OPERATING SYSTEM: PG-DGS/MS-PGS
SOPTWARE: Parentin PGlasse #1 0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION. Marmalian Phospholipase A2 Nellectide
TITLE OF INVENTION: Sequences and Low Molecular Weight Annua Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nacleotide
TITLE OF INVENTIAL Sequences Having Intensel E.D. and Pining Sites
NUMBER OF SEQUENCES: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Tischfield, Jay A. APPLICANT: Seilhamer, Jeffrey J.
                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
PFIGE APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 26-JUL-1993
ATTOPHEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET:
                                                                                                                                                                                                                                                                                                                                                LENGTH: 15328 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                 / March
Local Similarity 77.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: APPLICATION NUMBER: US 08/097,354
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                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                        5989 AAAAAAAA 5997
                                                                                                                                                                            IFFF GTTAATAAT/TTGTAT/GGAA/TTF/GAAA/GGAAAATTTTGGAAGAAAGTCAAGAAAGTCCATTTA 1725
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                    1786 TOACAGETAGGEAAGTTOGAGA WAS AUTREMAKA IT JOUWES COLOAAA IT COSTOT
                                                                                                                                     KERRE GTGGÅTO TIRRJELOCTIGGER TERRARIEGIGARGAGLAR I AARGAAGTTGGCTTCTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
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                                                                                                                                                                                                                                     Score 210.6, DB 4, hength 15328; Pred No 6 9e-45;
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POT US94-01926-33
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TELEPAX: 305-764-4996
INFORMATION FOR SEQ ID NO. 13-
SEQUENCE CHAPACTERISTICS.
LENGTH: 15328 base pairs
TYPE: nucleic acid
PTRANDEDNESS: single
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APPLICANT: Tischfield, Jay A
APPLICANT: Seilhamer, Jeffrey J
TITLE OF INVENTION Mammalian Phospholipase A2 Nuclearide
TITLE OF INVENTION. Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION. Encoded Thereby, Antisonse Sequences and McCleotide
TITLE OF INVENTION. Sequences Having Internal Ellosome Einding Sites
NUMBER OF FEQUENCES: 44
                                                                                                             Query Match
                                                                                          Best
                                                                                                                                                                                                                                                                                                                     NAME: Manso Peter J.
REGISTON NOMBER. 31,264
PETERPROTE/FECKET NUMBER. IN
TELECOMMUNICATION INFORMATION
TELEPHONE: 305,527,2494
                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: cDNA
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 26-JUL-1993
ATTORNEY/AGENT INFORMATION:
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OPERATING SYSTEM: PC-DGS/MS-DGS
SOFTWARF ParentIn Palease #1 0, Version #1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'ITY: Fort Lauderdale
                                                                    Match 10.4%; Score 210.6; DB 5; Local Gimilarity 77.2%, Fred. No. 6.9e-45; RS 285; Tonservative T, Mismatches T4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5389 AAAAAAAA 5997
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                              TTTNATART TO LIA SUUGISSAAAGSAAAGSAAAATTTTTSBAAGTCAAGAAAGTCATTTA LAS
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IBM PC compatib
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                                                                                                           Length 15328;
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RESULT 5
UC.08.629.939.5/c
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Parent No. 5645995
SEMERAL UNFOPMATION:
AFFLICANT: Kieback, Dirk G.
                             Query Match
Best Local Similarity
Matches 265, Conserv
                                                                                                                                                                                                                                                                      TELEFAX: (202) 243-7860 INFORMATION FOR SEQ ID NO: (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 14
CORPRESPONDENCE ADDRESS:
ADDRESSEE, SUGHPIE, MICH, ZIKN, MACFEAF & SEAS
                                                                                                                                   MOLECULE TYPE: HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
OCMENTER IBM FO comparable
OCMENTING SYSTEM. PC-Pros/MS-POS
SOFTWAPE PA-entin Pelease #1 0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                              SEQUENCE CHAPACTEPISTICS:
LENGTH: 320 base pairs
                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER PEADABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION. METHOLS FOR DIAGNOSING AN INCREASED TITLE OF INVENTION. PISM OF BREAST OF CVARIAN CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER FILING DATE: 12-APPLICATION: 47
                                                                                                                                                                                                                                                                                                                                                 NAME. KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/LOCKET NUMBER. A-
                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE. SUCHPUE, M. C., LANG, L. Suite 800 STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                             TELEPHONE:
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1712 AGAAAGTOCATITAGGOOGAGAGAGAGAGAGATTAAGA TOGIAHOO O AAGA TOOCAGAAGG 1770
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US-08-759-873 5/c
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                                                                                                        HYPOTHETICAL: NO US-08-759-873 5
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Patent No. 5683885
GENERAL INFORMATION.
                                                      Matches 265;
                                                                           Query Maton
                                                                                                                                                                               TELEFAX: (202) 293 7860
INFORMATION FOR SEQ ID NO. 8
SEQUENCE CHAPACTERISTICS:
LENGTH. 320 base pairs
                                                                                                                               TOPOLOGY: 11
                                                                                                                                                                                                                                                                                  CLASSIFICATION, 435
ATTORNEY/AGENT INFORMATION.
NAME: KIT, GOIDON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT, Kieback, Dirk G.
TITLE CH INVENTION METHOR FOR DIAGNOSING AN INCHEASES FISH
TITLE OF INVENTION OF METAGE OF OVABOAN CACCER.
                                                                                                                                                                                                                                  PEFERENCE/DOCKET NUMBER: A 6612
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Fleppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COSRECRIMDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMAPE: PatentIn Boloc-
                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRFET: 2100 Pennsylva CITY: Washington, D.C. STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP:
                                                                                                                                                                                                                                                                       NAME: KIT, Gordon
PEGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                              FILING DATE
                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER
                                                                Local Similarity
                                                                                                                                                           STRANDEDNESS: single
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20I1 TCAAAAAAAAAAAAAAAAA 2031
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                                                     Conservative
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                                                                10.3%, Score LUS.L, DB
82.6%; Pred. No. 5e-45;
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                                                     48; Indels
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Query Match 10.2%; Score 207.2; DP 4; Length 5825; Hest Local Similarity A; 4%, Fil-4 No. 3.4e-44; Matches 252; Conservative 0; Mismatches 48; Indels 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                  TELEFAX: 650-494 0792
TELEX: 706141
INFORMATION FOR SEQ ID NO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Yu, De Chao
APPLICANT: Schuur, Eric
APPLICANT: Henderson, Daniel
                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 5835 base pairs
                                                                                                                                                                                                                            PECISTRATION NUMBER 40,130
PEFFERO-POCKET NUMBER 14900
TELECOMMINICATION INFORMATION.
THE PERIODIC TO THE
                                                                                                                                                                                                                                                                ATTOPNEY/AGENT INFORMATION:
NAME: Catherine, Polizzi
PECISTRATION NUMBER: 40,
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APPLICATION NUMBER: 15/09/033,333
FILING DATE: 00-MAR-1998
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                                                                                                                                                                                                                                                                                                                    FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Palo Alto
                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
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Query Match
Beet Local Civilatity
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                                                                                                                                                                             INFORMATION FOR SEC IT NO. 2.
SEQUENCE CHARACTERISTICS.
LENGTH: 5335 base pairs
TYPE: nucleic acid
STPANDEDNESS: single
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SOFTWARE: FASCSEC for Windows Version 2 0b
CURRENT APPLICATION DATA
APPLICATION NUMBER: US/04/033,556
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TEV: 705141
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REGISTRATION NUMBER: 40,130
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                                                                                                                                                 TOPOLOGY:
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Patent No. 6436394
SENERAL INFORMATION
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                                                                                    TELEX: 706141
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                     ATTURNEY/AJENT INFLEMATION:
NAME: Catherine, Polizzi M
REGISTRATION NUMBER: 40,130
REFERENCE/LOCKET NUMBER: 24802-20007.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 550-81(-560)
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FILING DATE: 1-0.1 1000
CLASSIFICATION: «Unknown»
PPLIF APPLICATION DATA:
APPLICATION NUMBER - 09/03,333
FILING DATE: «Unknown»
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COMPUTER PEADABLE FORM.
MEDIUM TYPE; Diskette
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CORPESPONDENCE ADDRESS:
ADDRESSEE MOPPISON & FORDSTER
STREET: 755 PAGE MILL ROAD
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SEŞTENCE DESTRIFTION
                                                                            SEQUENCE CHAPACTERISTICS:
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                           LENGTH: 5835 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                        TELEFAX: 650-494-0792
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 SET IT NO:
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Patent No. 5648478
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                                                                            TELEFAX: 415-398-3249
INFORMACTION FOR SEQ ID NO. 1.
SEQUENCE CHAPACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES.
COPPESSONDENCE ADDRESS:
ADDRESSEE Flebt, Ho
                                                                                                                                  NAME: Rowland, Bertram I.
REGISTRATION NUMBER: 20018
REFERENCE/POCKET NUMBER: FP
TELECOMMUNICATION INSTRMATION.
TELEPHONE 415-78: 1985
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APPLICATION NUMBER: US 0:
FILING DATE: 13-JAN-1994
ATTORNEY/ASEYT INFORMATION
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TITLE OF INVENTION: Prostrate
MOLECULE TYPE: DNA (genomic)
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                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTED: IEM FC compatible
OPERATING SYSTEM: POLDOS/MS-DOS
SUFTWARE: Patentin Release #1.0, Version #1.30
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              STRAMDEDMESS
TOPOLOGY: 1:
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                                                                 LENGTH:
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                             nucleic acid
)EDMESC: single
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                                                             5836 base pairs
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                linear
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12 JAN 1995
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                                                                                                                                                                        FP-60058-PC
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Fatent No. 6057299
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                                TELEX: 706141
INFORMATION FOR SEQ ID NO.
SEQUENCE CHARACTERISTICS:
LENGTH: 5836 base pair
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TITLE OF INVENTION TISSUE SPECIFIC ENHANCER ACTIVE
TITLE OF INVENTION. IN PROSTATE
NUMBER OF SEQUENCES. 22
                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-813-5600
                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: FASTSEQ for Wind we Versian 2 0 CUPPENT APPLICATION DATA: APPLICATION NUMBER: US/08/721,690
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                                                                                                                                                                                 TELEPHONE:
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                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER
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TYPE: nucleic acid
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US 08 891 581 1/c
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Patent No. 6136792
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                                                                                                                                                CLASSIFICATION: 514
PRIOR APPLI ARINO DATA
APPLICATION NUMBER: US 38/180,916
FILING DATE 10-JAN-1996
APPLICATION HUMBER: US 39/180,047
BILING DATE 13-JAN-1994
ATTORNEY/AGENT INFORMATION
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INFORMATION FOR SEQ ID NO. SEQUENCE CHARACTERISTICS:
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TITLE OF INVENTION: TISSUE SPECIFIC ENHANCER ACTIVE
TITLE OF INVENTION IN PROSTATE
NUMBER OF SEQUENCES. 2
                                                                 TELECOMMUNICATION INFORMATION. TELEPHONE. 415-813 5600
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CORRESPONDENCE ADDRESS:
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                     TELEFAX: 415
TELEFAX: 706141
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hes 252, Chiservative
                                                                                                NAME. Catherine, Folical M
REGISTRATION NUMBER: 40,130
REFERENCE/DOCKET NUMBER 14802 20001 00
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CITY: Palc Alto
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                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM.
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82.4%; Pred. No. 3.4e-44;
Vative O, Mismatches 4R
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US-09-033-333-2/c
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APPLICANT: School, Elic
APPLICANT: Henderson, Daniel
TITLE OF INVENTION: ACEDIVINO
TITLE OF INVENTION: FOR CELLS
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 22
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MEDIUM TYPE: Diskette
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ATTORNEY/AGENT INFORMATION:
                                                                          TELECOMMUNICATION INFORMATION
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                                                                                                   NAME: Catherine, Polizz: M
REGISTRATION NUMBER: 40,130
REFERENCE/COCKET NUMBER: 34
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TELEPHONE:
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Patent No. 6432700
GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
LENGTH: 5836 base pair
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TITLE OF INVENTION ADEI
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                                      ATTORNEY/AGENT INFORMATION:
NAME: Catherine, Polizzi M
REGISTRATION NUMBER: 40,130
REFERENTE/FORTET NUMBER 140
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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TELECOMMUNICATION INFORMATION
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SHETWAPE: FastSEQ for Windows Version 2 hb
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STRANDEDNESS: single
TOPOLOGY: linear
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                                          34832 Engla of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Patent No. 6436394 ; GENERAL INFORMATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 82.4%,
Mitches 252, Conservative
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TELEX: 706141
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 5836 base pairs
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FILING DATE: <Unknown>
ATTOPNEY/AGENT INFOPMATION:
                                                                                                                                             AFPLICATION NUMBER. US/09/614,495
FILING DATE: 11-Jul-2000
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version 2.0b
CUPRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIF 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COPRESPONDENCE ADDRESS:
ADDRESSEE: MOPRISON & FOFFSTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Yu, De Chao
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STATE: CA
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NAME: Catherine, Polizzi M
                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 755 PAGE MILL ROAD
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TOPOLOGY: linear sequence desopirion: sequence desopirion: sequence desopirion: sequence desopirion:
search completed: June 23, 2003, 15:52:48
Job time : 127 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 650-494-0792
TELEX: 706141
TELEX: 706141
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHAPACTERISTICS:
LENGTH: 5836 base pairs
TYPE: nucleic acid
STRANDSDESS: single
                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 40,130
PEFF PENTA FOUNTE INMSEE: 40,430
TELECOMMINIZATION INFORMATION:
TELEPHONE: 650-813-5600
                                                                                                                           17## 10W14 ARITARARACTOSASACCASCOTASCCAACACTOSTCCCCTGTSAAACTOSCCT 1845
                                                                                                                                                                                                                                                           4975 CTACTAAAAATACAAAAATTAGCTGGGTGGTGCTGCAIGCTGTAATCCCAGCAACTC 4016
                                                                                                                                                                                                                                                                                            1845 PIACIGAAAATO AAAGATTGGTTGGACGTGTTGGGGGGGTACTT 1905
                                                               3895 AAAAAA 3890
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Max:mim DB seq length Shiphermore
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1037.6
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1830 A
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1. CgLL A/F: Hara // CgLkCnn/PCT_NEW_PUB_Seq:*

2. CgLL A/F: Hara // CgLkCnn/PCT_NEW_PUB_Seq:*

3. CgLL A/F: Hara // CgLkCnn/PCT_NEW_PUB_Seq:*

3. CgLL A/F: Hara // CgLkCnn/PCT_NEW_PUB_Seq:*

4. CgLL A/F: Hara // CgLkCnn/PCT_NEW_PUB_Seq:*

6. CgLL A/F: Hara // CgLkCnn/PCT_NEW_PUB_Seq:*

6. CgLL A/F: Hara // CgLkCnn/PCT_NEW_PUB_Seq:*

7. CgLL A/F: Hara // CgLkCnn/PCT_NEW_PUB_Seq:*

9. CgLL A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

9. CgLL A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

10. CgLL A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

11. CgLL A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

12. CgLL A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

13. CgLL A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

14. CgLL A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

15. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

16. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

17. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

18. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

18. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

19. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

19. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

19. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

19. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

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19. Cgll A/F: Hara // CgLkCnn/PCT_PUBCONB_Seq:*

19. Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara // Cgll A/F: Hara /
        79-79-498-867-7
2031
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(without alignments)
10171.825 Million cell updates/sec
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Maximum Match 100%
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GENERAL INFORMATION:
APPLICANT: Masuda, Estaban
APPLICANT: Masuda, Estaban
APPLICANT: Liao, X. Charlene
APPLICANT: Liao, X. Charlene
APPLICANT: Chu, Peter
APPLICANT: Chu, Peter
APPLICANT: Pardo, Jorge
AFFLICANT: M. TEATI M. John Lia of Tyribroy
Fille FERENEITE A. 1044-009 198-67
CUPPENT APPLICATION NUMBER US/09/998,667
TUPPENT APPLICATION NUMBER US/09/998,667
PRICE APPLICATION NUMBER US/09/998,667
PRICE FILMO DATE 1001-04-06
NUMBER OF SEQ ID NOS: 18
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US-09-99-667-5
US-09-99-667-5
IS-equence 5, Application US/09998667
Patent No. US20020146747A1
GENERAL INFORMATION: Esteban
APPLICANT: Masuda, Esteban
APPLICANT: Liao, X. Charlene
APPLICANT: Chao, Haoran
APPLICANT: Pardo, Hooran
APPLICANT: Pardo, Jorge
APPLICANT: Pardo, Jorge
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APPLICANT: Pardo, Jorge
APPLICANT: Pardo, Jorge
TITLE OF INVENTION: TRACI
FILE OF INVENTION: TRACI
TITLE OF INVENTION: TRACI
FILE PERFERNCE: 021044-0004600US
CUPPENT APPLICATION NUMBER: US/04/44%,667
PRIOR APPLICATION NUMBER: US/04/282,432

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FRICE FILING PATE: 2001-04-06 NUMBER OF SEG ID NOS: 18
SCHTWARE: Pate: tin Ver 2 1
SEQ ID NO 5
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OTHER INFORMATION: TRACTOOP 998-667-5
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APPLICANT: Liac, X. Charlene
APPLICANT: Zhao, Haoran
APPLICANT: Chu, Feter
APPLICANT: Pardo, Jorge
APPLICANT: Rigel Pharmaceutica
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Post Local Similarity 100.0%, Fred. No. 0,
Matches 1620; Conservative 0; Mismatches
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Patent No. US20020146747Al
GENEFAL INFORMATION.
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APPLICANT: Rigel Pharmaceuticals, Incorporated
TITLE OF INVENTION TRACE
FILE REFERENCE, C11044-000600US
CURPENT APPLICATION NUMBER-185/00/998,667
CURPENT FILING DATE: 2001-12-03
PRICE APILICATION NUMBER-US 00/262,432
PRICE APILICATION NUMBER-US 00/262,432
PRICE FILING DATE: 2001-4-00
NUMBER OF SEQ ID NOS: 18
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1561 TYSTATGĞĞAĞTYTĞAAAQGAAAATTTTĞĞAAĞTYAAĞAARTTYATT
1676 TTGTATGGGAGTTGJAAAA3JAAAATTTTGJAAGTCAAJAAA
1501 AAATAAGAAATCTGCTCCAATGCTCTTGTTCTAATCTCTA
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1556 ACTAATCTTTGTTCTSTSTAAAAAAATA WAAAASTAAATTGTTCTTGTTCTTGTGTAAAAAATA WAAAATA WAAAATA WAAAATAAAAT
1391 AGATAATACTCTGTSTATAATSCTACATATACTAAATAACTA
1496 AGATAATACTCTGTGTATAATGCTACATATCAATAACTA
13.21 ATTSTTACATSSAAAAJAVASSTSATAASSASTAGSTAGSTAGSCAASTAGSTS
1436 ATTGTTACATGGAAAAGACAGGSSGGTAGSSAAGTAGSSS
1376 TGTTTTACATCCTTGAGATTCTTACACATCTACAACAA [1]
1201 TTGTCCATGTTTATTGTTATAGTGCATTTAAAAAACTGCT
1316 TIGTCCATGTTTATTGTTATAGTGCATTTAAAAACTGCT
1141 ACANATGOGAGYSAAGTTYONATGATTYATYSYY NAAA
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1196 ATTITATAAAACGAAGGSAAAASSSACACIGAA116
1136 TATCCGANGAGFCTTAGACCGGTCACTTCTTGATATG
1976 AGTTAGTCACACTTTGTTTTATGATGATTTCATAGATH
1016 COGTTAATAYOYYATYAATOOAAYOOAAYTYAYSIBOOAAYTTAATAAGACAYYTGCA 107
956 GCT93ATCATT9GTATTACTCATCACA3AT09-AA093A0
781 93A3ACASCASCAASGOSTSTATICTOCCITTTSTCAGAC
R96 GGAGAGAGCAGCAGCATCETTAT (TILLITITITE)
936 - GOCACATATT COGACTT STCAGAMGIAY "ATAGATAAGII
776 GAAATCAGAGTATAAGAATGAGTTAGGAGTGTGAGTGTGACACCCC
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PRIOR FILING DATE: 2000-01-71
NUMBER OF SEC ID NOS: 1104
SOFTWARF: pt FI_grups V-tsion 1 0
SEQ ID NO 1077
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APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
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**CURRENT FILING DATE: 2005-01-04
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING MATE: 2006 54 25
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APPLICANT: Wang, Zhwei
APPLICANT: Tillinghast, John
APPLICANT: Tillinghast, John
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: NO 12705701047294, NI NITHIS ALMS AND
TITLE OF INVENTION. Polypeptides
FILE REFERENCE: 784CIP2B
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ORGANISM: Homo sapuens
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Then, Fui-hong
Zhao, Qing A.
Wehrman, Tom
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Ma, Yunging
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Yang, Yongh ng
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APPLICANT: Pardo, Jorge

ARFILITANT P.3#1 PLANTAGE MASSIFILMAN, INTINGUATED TIPLE OF INVENTION TRACT W.3LISTORE OF LYTPLICY

FILE PEFFENCE 021044-000600US

CURRENT APPLICATION MYMERP 15.744/948,667

FURBENT FILING DATE 2001-04.06

PRIOR APPLICATION NUMBER 11S.66/292,432

FILING DATE 2001-04-06

NUMBER OF SEQ ID NOS: 18

SOFTWARE: Patentin Ver. 2.1
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APPLICANT: Masuda,
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APPLICANT: Masuda, Esteban
APPLICANT: Liac, X. Charlene
APPLICANT: Zhao, Haoran
AFPLICANT: Chu, Fetel
APPLICANT: Chu, Fetel
APPLICANT: Pardo, Jorge
APPLICANT: Pardo, Jorge
APPLICANT: Prist Phistmaceuticals, Incorporated
APPLICANT: Prist Phistmaceuticals, Incorporated
APPLICANT: Prist Phistmaceuticals, Incorporated
APPLICANT: Prist Phistmaceuticals, Incorporated
APPLICANT: 021044-000600US
FILE REFERENCE: 021044-00600US
COURSENT APPLICATION NUMBER 1001100
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PRIOR APPLICATION NUMBER 10010
PRIOR FILING DATE: 2001-04-06
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Patent No. HG20020164692A1
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                                                                                                                                                                                                     Marches 520,
                                                                                                                                                                                                                                                                                                  Query Match
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THITLE OF INVENTION: PT047P1

FILE REFERENCE: Immune System-Pelated Polynucleotides, Polypeptides, and Antibodies CUBPENT APPLICATION MUMER, US/69/942,842

CUBPENT FILING DATE. 2001 09 02

PRIOM APPLICATION NUMBER - POT70501/77260

FRIOM APPLICATION NUMBER - F07704/167

PRIOM APPLICATION NUMBER - F07704/167

PRIOM PRIOM PRIOM CATE. 2000 08-11

PRIOM PRIOM PRIOM CATE. 2000 08-11

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Patent No US20020150891A1
GENERAL INFORMATION:
                                                                                                                                                                                TELECOMMUNICATION INFOFMATION:
TELEPHONE: (206) 622-4900
TELEFAX. (206) 682-691
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Hood, Lercy E.
APPLICANT: Rowen, Lee
APPLICANT: Koop, Ben F.
TITLE OF INVERTION: SIACHGETIC AND THERALEUTI, S.M. SSITION: AND MICHOUS WHICH INTO
NUMBER OF SEQUENCES: 1279
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SOFTWARE PARTING SYSTEM: POT LOSS MS LOS
SOFTWARE PARENTIN PARTA:
CUPPENT APPLICATION DATA:
ARFLICATION NUMBER UN18/253,959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION.
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                                                                                                                                                                                                                              PEFERENCE/CONFET NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 19
REFERENCE/COM
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                                                                  Query Match: 10 8%,
Best Local Similarity 80.7%;
Matches 271, Conservative
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TITLE OF INVENTION FRIENSS for Identifying Anni Three Theorymetre Agents Using
TITLE OF INVENTION Gene Sets
FILE REPERENCE: 680290-77
CORRENT AFPLICATION NUMBER: US/60/354.531
CUPRENT FILING DATE 2002-95-02
PRIOD APPLICATION NUMBER: US/60/233,123
PRIOD FILING DATE: 2000-09-10
PRIOR FILING DATE: 2000-09-20
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,503
PRIOR APPLICATION NUMBER: US/60/234,503
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PRIOR FILING DATE, 2000-09-22
NUMBER OF SEQ ID NEG3, 1392
                                                                                                                                                                                                                                                  LOCATION (1). (65668) OTHER INFORMATION: n = a, t, g or connected that 180
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TITLE OF INVENTION: Sets
TITLE OF INVENTION: Sets
TITLE OF INVENTION: Sets
FILE REFERENCE: 689290-75
CURRENT FILING DATE: US/09/962,436
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/60/234,982
PRIOR PILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/234,924
PRIOR PILING DATE: 7000-09-25
PRIOR APPLICATION NUMBER: US/60/234,924
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Rest Local Similarity RO 7%; Prod No. 3.8e-49;
Matches 271; Conservative 2; Mismatches 58;
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APPLICANT. Edubt, Reliklard
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PRIOR FILING DATE: 2000-09-25
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                                                                                                                                                                                                             Sequence 10010, Application US/00764891
Publication No. US20030077808A1
GENERAL INFORMATION:
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   APPLICANT. Rosen et al.

TITLE OF INVENTION. Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE, PC006

CURRENT APPLICATION NUMBER. US/09/764,891

CURRENT FILITS DATE. 2001-01-17

Prior application data removed - consult PALM or file wrapper NUMBER. J. St., 15 Med. 10231
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NAME/KEY: misc_feature
OTHER INFORMATION = n=a,t,g or c
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ORGANISM: Homo sapiens
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Pred. No. 3 8e-49;
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SEQ ID NO 10010
LENGTH: 7566
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Best Local Similarity
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APPLICANT: MASON JAMES M.
TITLE OF INVENTION HOMAN INTEFLEUVIN CON INTOTEC FETTEIN
FILE REFERENCE LIJ-9000-US
TUPSENT APPLICATION NOMED OF SANGER APPLICATION NOMED OF SANGER
FILING DATE 2001-08-28
PRIOR FILING DATE: 2000-08-25
TUMBEF OF SEC ID NOS 29
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APFLICANT. CHAY
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TYPE: DNA
ORGANISM: Homo sapiens
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US-09-764-891-8396/c
: Sequence 8396, Application US/09764891
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US-09-764-891-8149/c
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                  GENERAL INFORMATION:
APPLICANT: Rosen et al
TITLE OF INVENTION Nucleic Acids, Proteins, and Antibodies
FILE PERERENCE, P0006
CURPENT APPLICATION NUMBER US/09/764,891
CURRENT FILING DATE: 2001-01-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 8149, Application US/09764891

Publication No. US20030077808A1

GENERAL INF. MATICAL

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleuc Acids, Pioteins, and Ancibodies
FILE REFERENCE: PC006

CUPPENT ASSILICATION NUMBER 15/79/754,891

CURPENT FILING DATE: 2001-01-17

PTIC: APPLICATION STREET 15/79/754,891

NUMBER OF SEQ ID NOS: 10231
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Matches 274,
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Prior application data removed - consult PALM or file wrapper
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SOFTWARE: Parentin Vet 2 0
SEQ ID NO 8396
LENGTH: 27154
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Rest Local
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Local Similarity 79.4%;
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SUMMARIES

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Mus musculus adult male testis DDNA, EIKEN full-length enriched
library, ol-o--4930563964 by wolleg to OfNA EITIMGE TIT, CLONF
KAT05027, full insert sequence.
Adachi,J., Aizawa,K., Akahira,S., Akimura,T., Aono,H., Arai,A., Arakawa,T., Baldarelli,P., Bono,H., Brownstein,M., Buit,C., Carninci,P., Fukuda,S., Fukunishi,Y., Furuno,M., Hanagaki,T.,
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Rudentia, Schurognathi, Munidae; Murinae; Mus
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ub 45 G. Logi (1964) Armsky kolyskosto (1997) (1999) (1998ACTTCCTTCCTCCC0996C9) 104	373 GCTGGGAGGAGGGGAGGGAGGGGAGGGGGGGGGGGGGGG	Query Match 34.4%; Score 699.6; DB 11; Length 1407; Best 12 41 Conservative 0; Mismatches 301; Indels 30; Gaps 12; Matches 1029; Conservative 0; Mismatches 301; Indels 30; Gaps 12;	SERPPVEOPL'HSPPDESPSTEWSSLIPHLOVSHILFYLOFISFOITERAIIPPVING SLLEVVNOSNTT" BASE "GINT 377 a 348 c 348 g 334 t 2 others		/ 'd-a_file's2 /profein_id="BAB30115.1" /db_xtef="GT-1285471;" /db_xref="MGD-MGI.1914914"	(TDS) (1 -868) (2 - 4684) SOUTCE SPTP, SOUTCE Rey QUXX39, evidence:ISS now. 3 - 171% FIXTHE FATHER?)	<pre>/sex="male" /rissue_type="testis" /rissue_type="testis" /rissue_type="testis" /new_tiage="adult"</pre>	/db xref="FANTAM DE-4-30553F04" /db xref="MGD.MGI.1897414" /db xref="MGD.MGI.10007" /db-xref="14300555F04" /clone="4330555F04"	source 1. 1407 Source 2. regarism="Mus musculus" /strain="C\$781/67"	•	and subsequently entired for full-length by cap-trapper cDNA went through one round of normalization to Rot = 10.0 and subtraction to Rot = 10.0 and subtrac	Sivision of Experimental Annexis Passanda in Riken contributed to prepare mouse cissues. First strand cDNA was primed with a primer [5] SANAGANANATONINTENTITITITITITITITITITITITITITITITITI	further details CDNA library was prepared and sequenced in Mouse Genome Ency-lopedia Project of Genome Exploration Pessarch Grown in Piken Genomic Sciences Center and Genome Science Laboratory in Piken	Fanagawa 236-0045, Japan (f-mail-genome-resaged riken go.jp, URL:http://genome-gsc.riken.go.jp/, Tel:81-45-503-9222, Fax al-45-5035-22150 (http://genome-gsc.riken.go.n/) for Please visit our web site (http://genome-gsc.riken.go.n/) for	NURNAL Submitted (10-301-2600) Yushilide Hayashizaki, The Institute of Physical and Chemical Pessarch (PIKEN), Laboratory for Genome Explication Research Grupp, PIKEN Genomic Sciences Center (320), RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama,		Numazaki P. Jino, M. Jikazaki Y. Jikido, T. Jima-kenbish, J. Sarto, H., Sarto, R., Sakai K., Sano, H., Sasaki D., Sarto, H., Shibata, F., Shinagawa, A., Shiraki, T., Souther Y., Shibata, F., Tagawa, A., Takahashi F., Souther Y., Suzuki H., Tagawa, A., Takahashi F., Souther Y., Shibata, F., Saraki M., Tagawa, A., Takahashi F., Souther Y., Shibata, F., Souther Y., Shibata, F., Shib	Hara A., Hayarsu,N., Hill,D., Hiramoro,K., Hiraoka,T., Hori,F., Hume,D., Imocani,K., Ishii,V., Itoh,M., Izawa,M., Kasukawa,T., Karo н., Каwai,J., Којтак, т., Ponno,H., Souda,M., Koya,S., Kurihara O. Marnuvama T., Mivaraki A. Mich, V. Nomiya K
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CDNA Library Arrayed by: The I M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Agencourt Bioscience Corporation

Clone distribution. MGC clone distribution information can

found through the I.M.A.G.E. Consortium/LLNL at:
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Tissue Pricurement. ATCC
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/lab_host="DH10B (phage-resistant)"
/note="Organ testis; Vector: pcMV-SPORT6, Site_1: Not!,
Site_2: Sall; Cloned unidirectionally: oligo-dT primed.
Average insert size 2.5 kb. Library enriched for
full-length clones and constructed by Life Technologies.
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National Institutes of Health, Mammalian
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BG387827
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      Email: cgapbs-r@mail nih gov
                                                            Unpublished (1999)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                  Contact: Robert Strausberg, Ph.D
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CDNA Library Preparation: Life Technologies, Inc. CDNA Library Arrayed by The I M A G E Consoltium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov plate: LLAM10420 row g column: 08
High quality sequence stop: 671.
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Direct Submission

Diffect Submission

Number Fed (10 AML 2000) Yoshihide Hayashizaki, The Institute of Physical and Chemical Peseasch (RIKEN), Laboratory for Konomo Exploration Peseasch Group, RIKEN Gemomic Sciences Center (GSC), RIKEN Yokohama Institute, 1 7 22 Suehiro chc, Tsurumi ku, Yokohama Faragawa 230-0045, Japan (E-mail-genome-resegso riken.go.jp, MPI-http://gonome-gso riken.go.jp, Tel-81 45 503 9222,
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/translation="MDMSILPAYLPSEPVPATGIAKFMKSEYQN/AEGGTLVCLSCMF
AHIPTCEKYIDKYGPLLELGDTTAPCVCPECQPELDEDCLLDHCIIHHRSEPPPVFCP
                                                                                                                                                                                                                                                                                                         /protein_id="BAB24656.1"
/db_xref="G1.12829735"
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/dh_xref="FANTON_D8 1700035611"
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homolog to CDNA FLJ20456 FIS, CLONE KAT65827
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/clone_lib "RIMEN full-length enriched mouse cDNA library"
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National Institutes of Health, Mammalian Gene Collection (MGC)
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/lab_host="0H10B (phage-resistant)"
/n*t="Srgam skin, Vector pCTR7, Site 1 Mh51, Site 2
EcoR1; cDNA made by oligo-dT priming. Directionally
cloned into EcoR1/Xhol sites using the following 5'
adaptor: GGCACGAG(G) Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
81 a 129 c 145 g 171 t l others
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Tissue Procurement: Lothar Hernighauser Ph.D., Robin Humphreys
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (H.NL)
DNA Sequencing by: Incyre Genomics, Inc.
Clone distribution MGC Glone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plare LLNABSCo row 1...clumn: 13
High quality sequence stop: 662.
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National Institutes of Health, Mammalian Gene Collection (MGC)
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Contact Pobert Strausberg, Ph.D
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CDNA Library Preparation. Ling Hong/Pubin Laboratory

CDNA Library Arrayed by The I M A C E Consertium (LLML)

DNA Sequencing by Washington University Genome Sequencing Center

Clone distribution. MgC clone distribution information can be

found through the I.M.A.G E. Consertium/ILNL at:
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MIH-Mer http://mgz.nci.nih.gov/
National Institutes of Health, Mammalian Gene Collection (MGC)
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                                                                                                                                         /clone="IMAGE:2906258"
/clone_lib="NIH MGC 20"
/tissue_type="melanotic melanoma"
/lab_hosr="DHIOB (phage-resistant)"
/note="Organ: skin, Vector forBr), Site_1 Xhol, Site_2
ECORI; CNA made by oligo-dT priming. Directionally
cloned into EcoRI/XhoI sites using the following 5'
adapror. GGCACGAG (G) Size-selected scoops for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-DNA synthesis kit
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                                                                                                            (Stratagene) and Superscript II RT (Life Technologies).
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cDNA Library Preparation: Life Technologies, Inc
cDNA Library Arrayed by: The I.M.A.G.E. (Onsortium (LLNL)
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NIH-MCC hrtp://mgc.nci.nih.gov/
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                                /clone="IMAGE:5317267"
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/tissue_type="tumor, gross tissue"
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                                          GGGATEGTTGANGTTTGATGGAGAAAGATGTACTACAGTATTACCTGCTTGTC------
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                                                                                             ACACSATACAGOTO-SCTATISTICAT - - 10-SAGLAGLITIC ITGIGICCCATTAGIGATGI
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                                                                                                                                                                                                                                                  TTGAGATTTTTATATTTAATAATAATAAAAAAAATTATTTACATCAGTCATTGTTACATGG 1447
                                                                                                                                                                                                                                                                                                 TITGITATGITGCATTCAAAAACCGTGTTCATTCT--GGCTTAGATCTGCCCTTACATTC
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Contact: Pohert Strausherg, Ph
Email: cgapbs-r@mail.nih.gov
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Mational Institutes of Health, Mammalian Gene Collection
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/strain="129,053BL/6J,FVP/N"
/db_xref="taxon_10050"
/clone="IMAGE:5060048"
/clone_1lb="NCI_GAP_Mam3"
/tissue_type="tumor, gross_tissue"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 856)
NIH-MGC http://mgc nci nih gov/
National Institutes of Health, Mammalian Gene Collection (MGC)
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Contact. Robert Strausberg, Ph.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RISERORO,1 G1:15445394
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     High quality sequence stop: 852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         http://image.llnl.gov
Plate. LLAM11742 row. 1 cclumn: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMA Dequencing by Incyre Genemics, Inc.
Clone distribution MGC clone distribution information can be
found through the LM A B F Consortium LLML at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    house mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tissue Procurement: Lothar Hennighausen Ph.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cDNA Library Freparition Life Technologies, Inc cDNA Library Arrayed by The I.M.A.G.E. Consortium (LLNL)
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                                                                       246
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                                                                                        /note="Organ mammary, Vector: pCMV-SFORT6, Site_1. Sall, Site_2. Not7, Cloned unidirectionally. Frimer Gligo dT Library constructed by Life Technologies. Investigators providing samples: Lothar Hennighausen/Priscilla Furth, NIH Reference for transgenic model: Li et al., Cell Growth and Differentiation 7, 3-11 (1996)."
                                                                                                                                                                                                                                   /clone_lib="NCI_CGAP_Mam4"
/tissue_type="tumor, gross
/dev_stage-"5 months"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                            /db_wref-"taxon:10090"
/clone="IMAGE:5293606"
                                                                                                                                                                                                                                                                                                                                                                             /strain≃"NMRI"
                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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  14.78;
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  Length 856;
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VERSION KEYWORDS

EST. house mouse BB654038.1 GI:16487866

DEFINITION

BB654038

BB654038 RIKEN full-length enriched, adult male liver 'umor Mus musculus cDNA clone C730643F62 5', mPNA sequence.

da 91.9

mK:NA

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BUT 16 OCT 2001

SOURCE

RESULT 12 BB654038 LOCUS

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                                                                                                                                                                                                                                                                                                                                   583 TACATTETTGAGTCTATTAGACATTTAACCAESAGACACAGCCTC+---TCAGCCATTAA 638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      473 T GGAGGGGGATTGTGGACGTTTGATGGAAAAAAAATATATACTACAGTATTACCTGCTTGTC 531
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817 TGAAATOT-TTCAAATTCTCATGCTCTATCTCCAATAAGG 855
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                                                                                                                       GTGATISTISTIATAA PSCTAČATATICI PAAPTIST PAT PATEKTA PSPISARĀĀĀĀRĪCIĀĀ
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RIFEN integrated sequence analysis (RISA) system 384-format
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Laboratory for Genome Exploration Research Group, RIKEN Genomic
Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
1-7-22 Cuehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-6015, Jupan
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sequencing pipeline with 384 multicapillary sequencer. Genome Res. 10 (11, 1757-1771 (2000)

KONDO H. Fukunishi, Y. Shibata, K., Itoh, M., Carninci, P., Sugahara, Y. and Hayashizaki, Y. Computer based methods for the mouse full-length cDNA
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RIKEN Mouse ESTs (Arakawa, T., et al. 2001)
Unpublished (2001)
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Tel: 81-45-503-9222
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                                                                                                                                                                                                              prepared by using trehalose thermo-activated reverse transcriptase and subsequently enriched for full-length by cap-trapper second strand cDNA was prepared with the
                                                                                                                                                                                                                                                                                                                                                                                         Genomic Sciences Center and Genome Science Laboratory in RIKEN. Division of Experimental Animal Research in Riken
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was cleaved with BamHI and XhoI. Vector: a modified pBlueScript\ KS(+) after bulk excision from Lambda F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               contributed to prepare mouse tissues, 1st strand cDNA was
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/dev_stage="adult"
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Email: cgapbs-ramail.nih.gov
Tissue Procurement: Dr. James R. Lupski
Tissue Procurement: Life Technologies, Inc
TDNA Library Arrayed by The I M A G E. Consortium (LLNL)
DNA Sequencing by Agencourt Blossience Computation
There disrribetion MGC cline distribution information our
found through the I.M.A.G.E. Consortium/LLNL at:
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                                                                                                                                   NIH-MGC http://mgc nci nih.gov/
National Institutes of Health, Mammalian Gene Collection (MG/
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Mammalia; Eutheria, Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 985)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /tissue_type="dorsal root ganglia"
/dev_stage="adult, 36 yr"
/lab_host="DHI0B"
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/clone_lib="Lupski_dorsal_root_ganglion"
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/db_xref="taxon.9606"
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Prod No 6 6e-50;
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Other_ESTs: TC61253
Contact: Lee, NH
Norway rat
Rattus norwegicus
Eukaryota; Mctazoa; Chordata; Craniata; Vertebrata; Eufeleostomi;
                                                                                                             BG671440 #RAL DRG Libiary Pattur nervegions onthe Chine DRBRF04 5',
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9712, Medical Conter Drive, Rockville,
Tel: (301)-838-529
Fax: (301)-838-0208
                                                                                               mRNA sequence.
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/note="organ: ovary, Vector: pT7T3Fat, Site_1. EcoRI;
Site_2: NotI"
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/clone="ROVD024"
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/db_xref="ATCC (inhost):2042221"
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                                                                                                                                                   1051 GCGCFAATTTAATAAGACATCTGCAAGITAGTCACACTTTGTTTTATGATGATTTCATAG 1110
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Identification of gene expression profile of dorsal root ganglion in the rat peripheral axotomy model of neuropathic pain proc. Natl. Acad. Sci. U.S.A. 99 (12), 8360-8366 (2002)
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Institute of Neuroscience
320 Yim Yang Poad, Shanghai 200031, P P China
Tel: 86-21-64748700-121
Fax: 86-21-64713446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CCGCAACTGACATAGCCAAGAGGATGAAGTCAGAATACCAGAACTGTACTGAGTGTGGAA 60
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                                                                                                                                                                                                                                                 GAMPHOTETETTOTETOCACTITESCETTTAATACCCEATEAGAATCCAAGCCAGCTTCA 1050
                                                                                                                                                                                                                                                                                                                                                                                                                               AGAGAGAACTGGATGAAGACTGCTTGCTGGATCATNGTATTATCCACCACAGATCAGAAA 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CT TEGETOTOTT AGI JAKA NJAGGGCGAGATTAGGACGFGFGAGAAGTACATCGATA 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (bases 1 to 410)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    transcripted into cDNA, which was then used as templat in PCR The PCR products were separated on sequencing gel. The differential bands were cut, reamplified, cloned into pwnls T vector and continued by Northern blot."

89 C 99 g 100 t 4 others
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/strain="Sprague-Dawley"
/db_xref="taxon:10116"
/clone="DPNBRF04"
/clone_lib="Rat DRG Library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /tissue_type="drrsal root ganglion"
/dev_stage="adult"
/note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Total RNA was isolated from hypothalamus and /note="Tot
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 294 6; DB 1
Pred No. 1.5e-41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 12; Length 410;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
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361 ATTTTGATATAGTTGAGGAAGCCATTAGTGGCAGAGTGTTAGAGCCATT 409

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Swarth completed Come 27, 2003, 15 50-33 Job time: 2640 secs

